



# भारत का राजपत्र

## The Gazette of India

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No. 15] NEW DELHI, SATURDAY, APRIL 14, 1979 (CHAITRA 24, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 14th April 1979

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

8th March, 1979.

- 222/Cal/79. Gebrüder 'Adams Armaturen n. Apparate G.m.b.H. & Co. K. G. Improved disc valve.
- 223/Cal/79. The English Card Clothing Company Limited A servicing attachment for a carding machine (March 8, 1978).
- 224/Cal/79. Energy Conversion Devices, Inc. Amorphous semiconductors equivalent to crystalline semiconductors.
- 225/Cal/79 Johnson & Johnson. Paper surgical tape.
- 226/Cal/79. The Lubrizol Corporation. Multi-purpose additive compositions and concentrates containing same.
- 227/Cal/79. Toray Silicone Company, Ltd. A moisture impermeable package for room temperature curing one-part sealants.

9th March, 1979.

- 228/Cal/79. Basanta Kumar Banerjee. Improvements in or relating to manually operated paddy thrashing machines.
- 229 Cal/79. Grain Storing & Processing Industries. An apparatus for providing hot water, steam and hot air to plants.
- 230/Cal/79. Bunker Ramo Corporation. Connector.
- 231/Cal/79. Mitsubishi Denki Kabushiki Kaisha. Lightning arrester.
- 232 Cal/79. Mitsubishi Denki Kabushiki Kaisha. Lightning arrester device for power transmission line.
- 233/Cal/79. Monsanto Company. Processes.
- 234/Cal/79. Siemens Aktiengesellschaft. Application of a crosslinkable or vulcanisable synthetic insulating material onto an electrical conductor.
- 235/Cal 79. International Minerals & Chemical Corporation. Method of beneficiating phosphate ores.
- 236/Cal/79. DGT S.r.l. A rate of flow controlled automatic medical breathing apparatus.

12th March, 1979.

- 237/Cal/79. Rhone-Poulenc Industries. Electrode.
- 238/Cal/79. Rhone-Poulenc Industries. Membranes,

239/Cal/79. Standard Car Truck Company. Railroad car friction casting metallurgy.

240/Cal/79. Centralny Osrodek Projektowo-Konstrukcyjny Maszyn Gorniczych "KOMAG". Gallery walking lining.

241/Cal/79. Ultradynamics Corporation. Improvements in water dispensers.

242/Cal/79. J. Krings. Excavating sheeting unit.

243/Cal/79. Bochumer Eisenhutte Heintzmann GMBH & Co. High-pressure water nozzle.

244/Cal/79. Amstar Corporation. Separator employing an annular vertical feedwell with associated concentric annular baffle plate and method of using same to separate solids from liquids.

14th March, 1979.

245/Cal/79. NRM Corporation. Tire building machine.

246/Cal/79. NRM Corporation. Servicer.

247/Cal/79. S. Kitamura. Suspension system of bobbin hanger.

248/Cal/79. The Wellcome Foundation Limited. Chemotherapeutic agent. (March 15, 1978).

249/Cal/79. Westinghouse Electric Corporation. Encapsulated semiconductor device.

250/Cal/79. Hein, Lehmann A. G. A lateral packing for a sifter.

251/Cal/79. Westinghouse Electric Corporation. Composition and method for fabricating a zinc oxide voltage limiter.

#### APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH).

15th February, 1979.

106/Del/79. Mr. Sachindra Nath Sen. A theft prevention and burglar alarm device.

107/Del/79. The Chief Controller Research & Development, Ministry of Defence, Government of India. An improved metalloceramic friction material for severe duty dry application.

108/Del/79. Associated Engineering Italy S.p.A. Piston rings and methods for their manufacture. (February 16, 1978).

109/Del/79. AB Bofors. Device for determining vertical direction.

16th February, 1979.

110/Del/79. Hoechesh Aktiengesellschaft. Method and apparatus for detecting a blood leak in a hemodialysis system.

111/Del/79. Hoechst Aktiengesellschaft. Deaeration apparatus for hemodialysis system.

112/Del/79. Hoechst Aktiengesellschaft. Air detection sensor for kidney hemodialysis.

113/Del/79. Hoechst Aktiengesellschaft. Peristaltic dialysate solution pump.

17th February, 1979.

114/Del/79. S. S. Wseer. Multiple filament electric lamp.

115/Del/79. R. Parkash. Token number indicator with segmented indicators.

116/Del/79. Modesto Refrigeration Corporation. An improved beer dispensing unit.

117/Del/79. Council of Scientific and Industrial Research. Wood chipper.

19th February, 1979.

118/Del/79. Girling Limited. Improvements in pneumatic pressure operable boosters for vehicle hydraulic braking systems. (March 1, 1978).

119/Del/79. K. T. Nayagam. Apparatus for forming a continuous casting of concrete or other similar structure. (June 26 1975). [Divisional date June 23, 1976].

120/Del/79. Director General, Research Designs and Standards Organisation, Ministry of Railways. A device or cell for measuring soil pressure.

20th February, 1979.

121/Del/79. Industrie Pirelli SpA. Improvements in or relating to tyres.

122/Del/79. Messerschmitt-Bolkow-Blohm Gesellschaft Mit Beschränkter Haftung. Rear-wheel suspension system for automobiles.

123/Del/79. L' Air Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation DES Procedes Georges Claude. A method of treating purge gas in ammonia production plant.

21st February, 1979.

124/Del/79. Stamicarbon B. V. Process for preparing cycloalkanol and cycloalkanones.

125/Del/79. G. F. Thagard, Jr. Process for manufacturing a foamed polymeric material and products related thereto.

126/Del/79. Benfield Corporation. Removal of acid gases from hot gas mixtures.

22nd February, 1979.

127/Del/79. B. N. Badrinath Gupta. Specofoc purpose slide rules for engineering calculations.

128/Del/79. Aktieselskabet Nordiske Kabel—OG Traadfabriker. Machine for forming a head on a shank, such as a nail or a screw.

129/Del/79 M. J. Siren. Filter material and a method of manufacturing and using the same.

130/Del/79 Tractel S. A. Actuating device for the release mechanism of a winch receiving a traction rope therethrough.

131/Del/79. Sachindra Nath Sen. A signal circuit.

132/Del/79. R. Sundaram, T. S. Kailasa Mahadevan, K. K. Gopalan Anand Dev, K. S. Jayaraman and T. S. Ranganathan. An aqueous cleaning compound for cleaning suede garments, glove etc.

133/Del/79. Council of Scientific and Industrial Research. A manually operated pedal pump for irrigation purposes.

23rd February, 1979.

134/Del/79. P. Foody. Silo. (March 7, 1978).

24th February, 1979.

135/Del/79. M/s. Escorts Limited. Improvement in or relating to twist grip handle bar for motor cycles, scooters, mopeds, cycles etc.

136/Del/79 M/s. Escorts Limited. Improvement in or relating to rear view mirrors for use in automobiles.

26th February, 1979.

137/Del/79. The General Tire & Rubber Company. Coating rubber with a composition which resists removal by water.

138/Del/79. The Standard Oil Company. Process for the production of maleic anhydride. [Divisional date September 30, 1977].

139/Del/79. The Standard Oil Company. Process for the production of maleic anhydride. [Divisional date September 30, 1977].

140/Del/79. The Standard Oil Company. Process for the production of maleic anhydride. [Divisional date September 30, 1977].

141/Del/79. Bharat Heavy Electricals Limited. The manufacture of Y type consumable insert for root pass welding.

28th February, 1979.

142/Del/79. A. Brentini. Ring for attachment to keys or other objects.

143/Del/79. Mobil Tyco Solar Energy Corporation. Capillary die.

144/Del/79. ICI Australia Limited. Device. (March 17, 1978).

145/Del/79. Shell Internationale Research Maatschappij B. V. Preparation of a cyclopropanecarbaldehyde. (March 2, 1978).

146/Del/79. Kalyan Kumar Sengupta. An improved artificial respirator.

1st March, 1979

147/Del/79. The British Petroleum Company Limited. A method of stabilising electrodes coated with mixed oxide electrocatalysts during use in electrochemical cells. (March 4, 1978).

5th March, 1979.

148/Del/79. Mono Pumps Limited. Shaft bearing. (March 14, 1978).

149/Del/79. Machines Chambon. A rotary printing machine.

6th March, 1979.

150/Del/79. Propylox. Process for the manufacture of carboxylic peracids.

151/Del/79. Union Carbide Corporation. Methanation of carbon monoxide without prior separation of inert gases.

152/Del/79. S. L. Mahendra. A laminating apparatus. [Addition to No. 1889/Cal/75].

153/Del/79. Shri J. Vaswani. A power operated automatic level crossing barrier.

154/Del/79. Dipl. Ing. H. Koster. A foldable element capable of reflecting and/or absorbing solar energy.

155/Del/79. Dipl. Ing. H. Koster. A foldable element capable of transmitting and/or absorbing solar energy.

156/Del/79. Dipl. Ing. H. Koster. A venetian blind.

157/Del/79. Dipl. Ing. H. Koster. A solar device.

158/Del/79. Dipl. Ing. H. Koster. A solar device.

159/Del/79. Dipl. Ing. H. Koster. A storage system.

160/Del/79. D. C. Rastogi. Stamping machine.

7th March, 1979.

161/Del/79. Director General, Cement Research Institute of India. An apparatus.

162/Del/79. G. Singh. An automatic transmission system.

163/Del/79. G. Singh. An automatic transmission system.

164/Del/79. R. K. Kapur. Improvements in fused-collars for the skirts.

8th March, 1979.

165/Del/79. Bayer Aktiengesellschaft. Process for the preparation of benzothiazolyl sulphonic acid morpholide.

166/Del/79. Pfizer Inc. A process for preparing 2-methyl-2-hydroxy-propyl piperazine-1-carboxylate compounds.

#### APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

3rd March, 1979.

39/Mas/79. A. J. Loganathan. A petrol economiser for use with petrol-operated internal combustion engines. [Addition to No. 5/Mas/74].

40/Mas/79. M/s. Sundaram-Abex Limited. and Mr. B. K. Banerjee. Process of manufacturing friction disc which are used as Clutch Facings using blow moulding technique and long flow novolak resins.

5th March, 1979.

41/Mas/79. C. S. Sundarmoorthy and Mrs. Kamala Venugopal. Gassometer.

42/Mas/79. L. Jayaprakash. An Indoor game as well as a teaching aid titled as teaching and playing cards.

6th March, 1979.

43/Mas/79. C. I. Seshagiri Rao. Recovery of aromatic oil held in aqueous condensate obtained during distillation of oil.

44/Mas/79. C. I. Seshagiri Rao. Dehydrating aromatic oils and removal of foreign matter held in them.

7th March, 1979.

45/Mas/79. Indian Institute of Technology. A high speed muller.

9th March, 1979.

46/Mas/79. M. Ramabhadran. An instantaneous water heater.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 69D & E.

146281.

Int.Cl.-H01h3/00.

#### ELFCTROMECHANICAL ACTUATOR.

Applicant: PRECISION PROCESSING EQUIPMENT, 3, SASHI BHUSAN SARKAR LANE, SALTIA, HOWRAH, WEST BENGAL, INDIA.

Inventor: SAMAR NATH MITRA.

Application No. 1415/Cal/77 filed September 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims.

An electro-mechanical actuator comprising a motor to provide rotational motion to a splined shaft through a drum coupling coupled with a detachable toothed coupling of a manual unit, the toothed coupling being operated by an external lever arrangement, the said splined shaft is coupled with one end of a main screw shaft by means of a socket and onto the main screw shaft, a hollow ram is mounted coaxial to it which is movable in linear direction by a non-rotatable thrust nut screwed on the main screw shaft, the said screw shaft rests on two pressure cups packed inside with a spring mounted on the main screw shaft and each pressure cup is provided with a cam at the top for operation of limit switches of the switch box, the said pressure cup assembly being held inside a casing and is compressable itself by any obstruction higher than the prescribed thrust during movement, wherein the said manual unit is provided with a gear clutch assembly to be coupled with the same said toothed coupling for manual rotation of the main screw shaft by a hand wheel after disclutching the toothed coupling from the drum coupling, the whole unit being enclosed by sectional casings.

CLASS 39L & 40C.

146282

Int. Cl.-C01b 33/16.

#### IMPROVEMENTS IN OR RELATING TO THE PRODUCTION OF DESICCANT GRADE SILICA GEL.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

*Inventors* : PHANINDRA NATH MUKHERJEE, LAKSHMINARAYANAPURAM VISWANATHAN, RAMACHANDRAN, TRIPURARI SARAN, INDU BHUSAN PAI AND DEB SANKAR CHATTERJEE.

Application No. 594/Cal/76 filed April 6, 1976.

Complete Specification left July 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims. No drawings

An improved method of preparing desiccant silica gel, by reacting mineral acids with sodium silicate characterised in that the sodium silicate solution having  $\text{SiO}_2$  concentration varying from 10-20% (wt./vol.) is used and that the pH of the reaction system is adjusted within a range of 0.5 to 4, silica gel thus formed is washed with either distilled water or water containing dissolved ions followed by distilled water, drying the washed silica gel in air of R.H above 10% at temperature varying from 25°C to 100°C and activating the thus dried silica gel by heating at 200°C for upto 4 hrs in current of dry air.

CLASS 145E.

146283.

Int. Cl.-D21c 1 06, 3/18

#### PROCESS FOR THE PREPARATION OF PULP FOR PAPER MANUFACTURE FROM DICOTYLED ONEOUS PLANTS.

*Applicant* : CONSORZIO FABCART S. P. A., VIA MECENATE, 84, MILANO, ITALY.

*Inventors* : GUGLIELMO RUFFINI AND ERIO PEZZOTTI.

Application No. 321/Cal/77 filed March 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims. No drawings

A process for the preparation of pulp for paper from dicotyled oneous plants, comprising the steps of : stirring, in a pulper, the dicotyled oneous plants in an alkaline solution

in the presence of a conventional surfactant and at least one stain inhibiting agent selected from the group consisting of peroxides and sodium hypochlorite, which agent prevents staining of the plant fibres in alkaline media by blocking the chromophoric groups of the dicotyled oneous plants, for 30 to 60 minutes, at a temperature from 50 to 90°C preferably 75° to 85°C in order to obtain a stock containing both a woody core fraction and a bark fraction containing bark fibres; dividing by known methods, said stock into a woody core fraction and a bark fraction; and then subsequently cooking and bleaching said bark fraction under atmospheric pressure in an alkaline solution comprising 2-6% hydrogen peroxide, 5-20% alkali such as sodium hydroxide 0.1-0.5% conventional wetting agent (based on the weight of the dry matter) at 70-95°C for 30-120 minutes, and finally thoroughly washing and acidifying the prepared pulp to pH 5 to 6 with an aqueous solution of a member selected from the group consisting of sulfur dioxide and oxalic acid

CLASS 40B.

146284.

Int. Cl.-B01j 11/08, 11/50.

#### A PROCESS FOR THE PREPARATION OF A SUPPORTED SILVER CATALYST FOR THE PRODUCTION OF ETHYLENE OXIDE.

*Applicant* : HALCON INTERNATIONAL, INC., OF 2 PARK AVENUE, NEW YORK, NEW YORK 10016, UNITED STATES OF AMERICA.

*Inventor* : CHARLES NATHAN WINNICK.

Application No. 941/Cal/77 filed June 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 17 Claims. No drawings.

A process for the preparation of a supported silver catalyst suitable for the production of ethylene oxide by the controlled, vapor phase, partial oxidation of ethylene with molecular oxygen, said catalyst preparation process comprising the following steps : (a) impregnating a porous refractory support with a liquid containing a compound or complex of silver such as herein described by immersing said support in said liquid and maintaining the support and the liquid in contact until the liquid has been absorbed into the pores of the support; (b) separating the thus-impregnated particles from any non-absorbed remainder of said liquid; (c) activating the thus-impregnated particles by converting the silver compounds or complex to at least one member of the group consisting of silver oxides and elemental silver, at least part of the silver being in elemental form, said conversion being accomplished by heating the impregnated particles in the presence of an essentially oxygen-free inert gas to a temperature at which the silver compound or complex decomposes to yield, at least in part elemental silver;

(d) depositing upon the activated particles from  $4 \times 10^{-5}$  to  $4 \times 10^{-8}$  gram atoms per kilogram of catalyst of at least one alkali metal of the group consisting of potassium, rubidium, and cesium said alkali metal being in the form of a salt such as herein described.

CLASS 32C & F.

146285.

Int. Cl.-C09b 17/04.

#### PROCESS FOR THE PREPARATION OF AZAMETHINE-CU COMPLEX COMPOUNDS.

*Applicant* : HOECHST AKTIENGESSELLSCHAFT, OF 6230 FRANKFURT MAIN 80, FEDERAL REPUBLIC OF GERMANY.

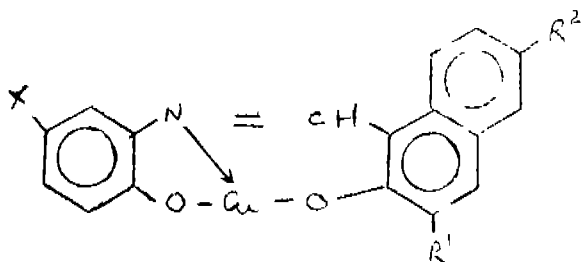
*Inventors* : KLAUS HUNGER, EDWIN BAUER

Application No. 1040/Cal 77 filed July 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 23 Claims.

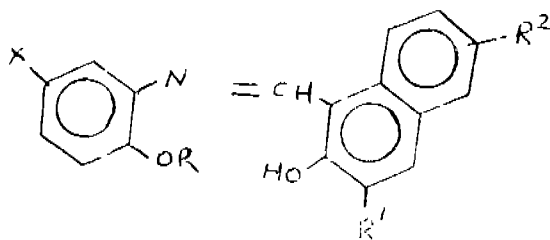
Process for the preparation of a compound of the formula I.



in which X is hydrogen, chlorine, bromine, alkyl of 1 to 4 carbon atoms, alkoxy, of 1 carbon atoms, nitro, tri-fluoro-methyl or a group of the formula



wherein Y is hydrogen or alkyl of 1 to 5 carbon atoms, R<sup>1</sup> and R<sup>2</sup> are hydrogen, or one of the substituents R<sup>1</sup> and R<sup>2</sup> is hydrogen and the other is -COOY, wherein Y is as defined above with the proviso that at least one of the substituents X, R<sup>1</sup> and R<sup>2</sup> is -COOY and that X must not be hydrogen if R<sup>2</sup> is -COOY, which comprises metallizing an azamethine of the formula II.



wherein R represents hydrogen or methyl and X, R<sup>1</sup> and R<sup>2</sup> are defined above with an inorganic or organic copper salt

CLASS 32F, & 55E,

Int. Cl.-C07c 169/06.

A PROCESS FOR THE PREPARATION OF DIRECTLY IODINATED STEROID HORMONES AND RELATED COMPOUNDS

*Applicant & Inventor*: VELAYUDHAN SAHADEVAN, OF 3825 GOLF ROAD EVANSTON, ILLINOIS 60203, UNITED STATES OF AMERICA.

Application No. 1453/Cal/77 filed September 27, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A process for the preparation of a halogenated steroid hormone by the reaction of a steroid hormone with an alkali metal halide in the presence of an oxidizing agent selected from the group consisting of hydrogen peroxide and chloramin-T at ambient temperature.

CLASS 40A & F,

146287.

Int. Cl.-F03b 13/00.

A METHOD AND APPARATUS FOR PURIFICATION OF WATER FROM POWER PLANT STEAM CYCLE.

*Applicant & Inventor*: CHARLES WAYNE REED, OF 5174 BROOKSIDE LANE, CONCORD, CALIFORNIA 94521, UNITED STATES OF AMERICA.

Application No. 1531/Cal/77 filed October 24, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims.

A side steam condensate purification system for clean up of the feed-water in a power plant steam cycle having at least one main steam condenser with a hot well comprising: divider means in said condenser disposed for separating condensate on a first side of said divider means from condensate on the second side of said divider means and in the hot well; a passageway through said divider means for flowing condensate from the first side to the second side thereof and to said hot well; said passageway having a weir on the upstream side of divider means for removing impurities from said feed water spaced from said condenser; first conduit means defining a fluid path and a pump from the first side of said divider means to said means for removing impurities; second conduit means defining a fluid path from said means for removing impurities to the first side of said divider means; and third conduit means defining a fluid path from said means for removing impurities to the second side of said divider means.

CLASS 105B & 204.

146288.

Int. Cl.-G01g 3/12.

IMPROVEMENTS IN OR RELATING TO DEVICES FOR INDICATING WEIGHT.

*Applicant & Inventor*: MADHAV SHANKAR PANDAY, OF 1, ASHOKNAGAR, POONA-411007, STATE OF MAHARASHTRA, INDIA.

Application No. 386/Bom/75 filed December 31, 1975.

Complete specification left February 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 6 Claims.

A device for indicating weight comprising, (i) a base cylinder in which is placed a spring loaded nut provided with a spiraling groove having a large pitch; (ii) a threaded bolt mounted on a rod and adapted to rotate in said nut; (iii) a tapered cylinder mounted over the said base cylinder, provided with a spring loaded cover having a hole in its centre through which a portion of the rod on which the said threaded bolt is mounted is projected upwards; over a calibrated dial and said rod adapted to move a pointer over said dial; (iv) a transparent lid placed over the said tapered over the said tapered cylinder, the centre of the said lid resting over the said tip of the said rod, the said transparent lid having a projection at its centre; (v) a hook attached between the said centre of the said transparent lid and the base of the container whose weight is to be indicated such that when the hook is depressed, it presses on the said transparent lid which in turn depresses the said rod and the said threaded bolt into the said nut causing the said grooved nut and thereby the said rod to rotate deflecting the said pointer along the calibrated dial, thus indicating the said weight of the container at the other end of the saidhook.

CLASS 116B.

146289.

Int. Cl.-B65g 67/34.

WAGON TIPLER.

*Applicant & Inventor*: SARASHI CHARAN BHAUMIK, 19B, TARAK DUTTA ROAD, CALCUTTA-19, WEST BENGAL, INDIA.

Application No. 543/Cal/76 filed March 30, 1976.

Complete specification left June 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A rotary type wagon tippler comprising a rotor with counter weights, roller supports, geared motor, rack & pinion arrangement between hydraulic damper and the rotor gear, said hydraulic damper comprises stopcock, pressure gauge, plunger, chamber with oil and oil reservoir, the weight of the unbalances the rotor for tipping loaded wagon and the weight of the wagon material is obtained through pressure gauge.

CLASS 50D & 61A & 196B<sup>a</sup>.

146290.

Int. Cl.-F25b 19/00.

A REMOVABLE DIFFUSER SECTION FOR AN AIR CONDITIONING TERMINAL OF THE PERMANENTLY INSTALLED TYPE.

*Applicant* : CARRIER CORPORATION, AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

*Inventor* : CARL CHESTER HERB.

Application No. 679/Cal/76 filed April 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A removable diffuser section for an air conditioning terminal of the permanently installed type in which the diffuser section includes side diffuser members and a central diffuser member which are inter-connected with each other, characterized in that said diffuser members are rigidly attached to each other and to a control section, the diffuser members and the control section constituting a sub-assembly attachable and removable from the terminal as a unit, and in which a first mounting bracket is rigidly attached to an end wall of the terminal and a second mounting bracket is rigidly attached to the diffuser members and provides a support for captive bolts, the longitudinal axis of the bolts lying in a plane which substantially bisects the opening between the central diffuser member and one of the side diffuser members, the bolts being receivable in threaded members rigidly attached to the first mounting bracket.

CLASS 69D.

146291.

Int. Cl.-H01h 36/00.

ELECTROMAGNETIC DEVICES.

*Applicant* : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

*Inventor* : ALEC HARRY SEILLY AND DORIAN FAR-RAR MOWBRAY.

Application No. 728/Cal/76 filed April 27, 1976.

Convention date March 11, 1976/(09668/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

An electromagnetic device comprising a pair of relatively movable members one of which is of annular form and surrounds the other member, said members having substantially cylindrical surfaces facing each other, a pair of helical magnetizable rib elements on said surfaces respectively, and a groove defined between adjacent turns of each rib element, such that the other rib element, can be positioned therein to allow relative axial movement of the members, each of said rib elements defining a working surface facing the working surface of the other rib element, and extending in a direction normal to the axis of the members, a plurality of grooves formed in one working surface, and an electrical conductor accommodated in each of said grooves for producing a magnetic field when electric current is passed there-through, the arrangement being such that the grooves in the said one working surface divide the said working surface into a number of poles, such that when said conductors are energized said one working surface will form poles, each pole being of polarity opposite to the adjacent pole, and the two members will move relative to each other in one direction so as to reduce the reluctance of the magnetic circuit formed between said poles and including the other working surface

CLASS 146D<sup>a</sup> & 186E.

146292.

Int. Cl.-H04n 1/04. 3/00.

OPTICAL SCANNING APPARATUS.

*Applicant* : THE MONOTYPE CORPORATION LIMITED, OF SALFORDS, REDHILL, SURREY, RHI 5JP, ENGLAND.

*Inventors* : HOWARD RAYMOND BAYLIS, ROGER ALAN EDWARDS AND DAVID RICHARD SWEATMAN HEDGELAND.

Application No. 863/Cal/76 filed May 18, 1976.

Convention date May 27, 1975/(23090/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

Optical scanning apparatus comprising a source of light, a rotatable reflecting element having a plurality of reflective facets which are inclined to the axis of rotation, means for directing a beam of light derived from the source at said reflecting element in a direction parallel to its axis of rotation to impinge upon successive facets thereof as it is rotated, means for denning a position for a recording element having a surface that required scanning, means for focussing the beam as reflected by said reflecting element onto said surface, a motor coupled to rotate the reflecting element, so that each facet in turn causes the focussed beam to scan across said surface in one direction, a drive for moving the recording element substantially perpendicular to said one direction, past said focussed beam and a generator responsive to the rotational movement of the reflecting element to generate a signal indicative of the angular position of said reflecting element, said generator including a readout device comprising a further light source and a photocell and a shutter comprising a pair of elements each provided with a grating formed by an array of alternate opaque and transparent portions, said photocell being arranged to view the light source through the gratings, said elements being mounted for relative movement in accord with the rotation of the reflecting element, whereby illumination of the photocell is modulated cyclically at a frequency which varies in accord with the speed of rotation of the reflecting element.

CLASS 29C &amp; D. &amp; 67C.

146293.

Int. Cl.-G06f 1/00.

DIGITAL DATA PROCESSING ARRANGEMENT, MORE PARTICULARLY FOR RAILWAY SAFETY ENGINEERING.

*Applicant* : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventor* : HORST STRELOW.

Application No. 2003/Cal/76 filed November 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Digital data processing arrangement, more particularly for railway safety engineering, comprising two sub-assemblies which are provided in two channels and which are controlled stepwise by a common timing current supply which emits at each processing step, in addition to a number of control signals, a monitoring pulse for scanning comparators connected in series for each two comparable signals from the two channels which comparators apply to the timing current supply, when appropriate signal pairs are present, the monitoring pulse, as fault-free signal, for initiating the control signals required for the next processing step, and a further monitoring pulse, characterised by two micro-computers fed from two unidirectional voltage sources (GE1, GE2) independent of one another of the micro-processors (CPU1, CPU2) of which micro-computers equivalent connecting pins for addresses, data and control signals to be emitted connected in pairs to respective comparators (VGA1) and in that

there is provided in the timing current supply (TG) for the dynamic signals a monitoring unit (UR, R) which disconnects the unidirectional-voltage sources (GE1, GE2) in the absence of the error-free signal (FG) (FIGURE 1).

CLASS 64B,  
Int. Cl.-H01h 1/00.

#### ELECTRICAL CONTACT ASSEMBLY.

*Applicant*: THE BENDIX CORPORATION, OF BENDIX CENTRE, SOUTHFIELD, MICHIGAN, UNITED STATES OF AMERICA.

*Inventors*: CLIFFORD ROBERT WALDRON, KARL WILLIAM YONKERS AND HERBERT KURT UHLIG.

Application No. 2018/Cal/76 filed November 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

An electrical contact assembly adapted to receive an electrical wire and to be connected thereto by crimping, said contact assembly comprising: an inner sleeve stamped and formed from a sheet of metal and having, on the one hand, an open seam extending the entire axial length of said sleeve and, on the other hand, a front portion and a rear wire receiving portion; and an outer sleeve telescopically mounted over said inner sleeve; characterized in that the rear wire receiving portion of said inner sleeve has a plurality of apertures in the wall thereof.

CLASS 14A,  
Int. Cl.-H01m 1/00.

#### BATTERY COVER FOR FACILITATING THE DRAWING OF LIQUID FROM THE BATTERY WHEN INVERTED.

*Applicant*: GOULD INC., AT 10 GOULD CENTRE, ROLLING MEADOWS, ILLINOIS 60008, U.S.A.

*Inventor*: ALBY HENRY WOLF.

Application No. 2022/Cal/76 filed November 10, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 9 Claims.

A cover for the case of an electric storage battery from which liquid is to be drained comprising, means on the inside of the cover engageable with portions of the case for closing one or more cells, means defining a fill and vent opening extending through the cover into each cell area, the cover including an internal projection adjacent each vent opening and guide means on the inside of the cover within individual cell areas for directing liquid to the vent opening when the battery case is inverted and rocked from side to side, said guide means including at least one internal rib for concentrating the flow of liquid toward and over said projection.

CLASS 64B,  
Int. Cl.-H01h 85/00

#### ELECTRICAL TERMINAL CONNECTOR.

*Applicant*: THE ENGLISH ELECTRIC COMPANY LIMITED OF 1 STANHOPE GATE, LONDON W1A 1FH ENGLAND.

*Inventor*: KENNETH HERBERT BLACK.

Application No. 121/Cal/77 filed January 28, 1977.

Convention date February 23, 1976/(07116/76), U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims.

An electrical terminal connector comprising a terminal block formed with a cavity and with a threaded bore opening into the cavity laterally thereof, and a clamping screw threadedly engaged in the threaded bore and with one end

directed into the cavity, wherein the clamping screw is formed with an axial bore and is provided with a captive clamping member having a stem accommodated in the said axial bore and rotatable therein and a head disposed at the said one end of the clamping screw for rotatable abutment thereagainst and for clamping abutment against an electrical conductor received in the cavity.

CLASS 32F<sub>1</sub> & F<sub>2a</sub> & 55D<sub>1</sub>,  
Int. Cl.-C07c 103/34.

#### PROCESS FOR THE PREPARATION OF N-ALKYNYL- $\alpha$ -(SUBSTITUTED PHENOXY) ALKYLAMIDES USEFUL AS HERBICIDES.

*Applicant*: STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06880, UNITED STATES OF AMERICA.

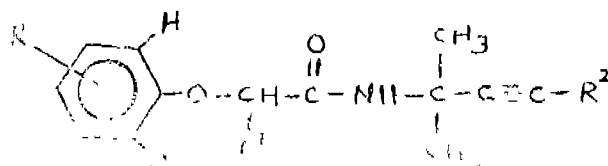
*Inventors*: FRANCIS HARRY WALKER AND DON ROBER BAKER.

Application No. 831/Cal/77 filed June 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

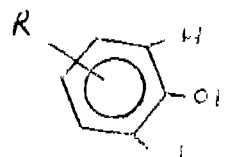
#### 8 Claims.

A process for the preparation of a compound having the formula shown in Fig. 1.

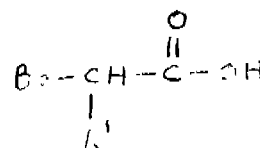


in which R is selected from the group consisting of trifluoromethyl, dimethyl, chloro and dichloro; R<sup>1</sup> is methyl or ethyl; and R<sup>2</sup> is methyl or ethyl; which comprises the steps of

(a) reacting a phenol of the formula as shown in Fig. 11.

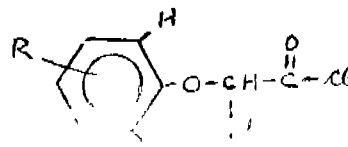


with an acid of the formula as shown in Fig. 12.



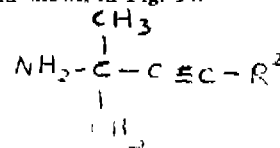
in the presence of aqueous NaOH,

(b) reacting the product of step (a) with phosgene or thionyl chloride in the presence of a catalytic amount of dimethyl formamide to produce an acid chloride of the formula shown in Fig. 13.



and

(c) reacting the acid chloride of step (b) with an acetylenic amine of the formula shown in Fig. 14.



## PATENTS SEALED

(2)

140542 140865 142882 143131 143625 143640 143704 143823  
143828 143831 143836 143857 143863 143883

The amendments proposed by Deutsche Gold Und Silber Scheideanstalt Vormal's Roessler, in respect of patent application No. 144289 as advertised in Part III, Section 2 of the Gazette of India dated the 2nd September 1978 have been allowed.

## AMFNDMENT PROCEEDINGS UNDER SECTION 57.

(1)

The amendments proposed by Metallgesellschaft A.G. in respect of patent application No. 143854 as advertised in Part III, Section 2 of the Gazette of India dated the 21st October, 1978 have been allowed.

(3)

The amendment proposed by Texaco Development Corporation in respect of patent No. 144919 as advertised in Part III, Section 2 of the Gazette of India dated the 21st October, 1978 has been allowed.

## LIST NO VI

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General and Mechanical Engineering Industry are not being commercially worked in India as admitted by the patentees in the Statements filed by them under section 146(2) of the Patents Act 1970 in respect of Calendar year 1977 generally on account of want of request for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and Address of the Patent	Brief title of the invention.
1	2	3	4	5
1.	139002	07-08-1973	The Cross Co ; 17801 Fourteen Mile Road Fraser Michigean-48026 U.S.A.	Test stand for vehicle engines.
2.	139011	14-03-1973	USS Engineer & Consultant INC ; 600 Grant Street Pittsblough Pennsylvania U.S.A.	Idler Roll mounting construction.
3.	139042	23-05-1973	Roy J. Weikart C/o. General Films Inc; Covington Olvio, U.S.A.	Filling and sealing system.
4.	139044	16-01-1974	Vyzkumny Ustav Barlnanny, Ustinad Orlia, Czechoslovakia.	Separating fibres for ringless spinning.
5.	139045	05-02-1974	Dunlop Limited, Dunlop House, Ryder Street, St. James London S.W. 1, England.	Earthwoven tyre.
6.	139056	27-09-1973	USS Engineers and Consultants Inc. USA.	Composite roll forming.
7.	139060	08-10-1974	Mc Neil Corp; 96, East Crosier Street, Akron, Olvio, 44311, U.S.A.	Apparatus for position a tyre for curing.
8.	139070	23-04-1974	Gustav Ickes; Karlsbailer, Strasse, 19, 6462 Geluhavsen, Hailer, W. Germany.	A wall element preferably for Use as a stress-bearing outer wall part.
9.	139072	01-05-1974	The Broken Hill Proprietary Co. Limited, 140 William Street, Melbourne, Victoria, Australia.	Apparatus for application of sealant to a container member.
10.	139073	01-05-1974	Shell Internationale Research Maatschappij B. V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	An atomiser and process for the partial combustion of fuel using the atomosier.
11.	139080	26-02-1973	USS Engineers & Consultants Inc; U.S.A.	Rotating elongated articles.
12.	139094	17-07-1974	Girling Limited, Kings Road, Tyseley, Birmingham-11, Warwickshire, England	Disc brakes.
13.	139109	08-05-1974	Dr. C. Otto Comp GmbH, Christstrusse 9, 463, Bochum, W. Germany.	A gas collecting device for a coke oven battery.
14.	139139	22-05-1974	N. P. Kinariwala (Rt), Limited, 148, Mukti, Maldan, Marinagar, Ahmedabad-380003.	A Woven fabric adapted to be used in the manufacture of textile loom shuttle.
15.	139150	11-07-1973	Mc Neil Corporation, U.S.A.	Holding uncured pneumatic tire.
16.	139154	26-12-1973	Robert Davidson Jr., Hadlow, South Canterbury, New Zealand.	Speed and or direction change device.
17.	139157	04-05-1974	Schubert & Salzer etc; Friedrich Ebertstrasse, 84, 8070, Ingolstadt, W. Germany.	Spinning machine.
18.	139185	07-08-1974	General Electric Co., 1 River Road, Schenectady, New York, U.S.A.	Cooling system for cooling I-C, engines.
19.	139188	12-10-1973	Associated cement Cos. Limited, Shahabad, Heavy Engineering, P. O. Shahabad ACC Dist. Gulburga, Mysore State, India.	Reciprocating feeder.
20.	139189	18-05-1973	Ishikawajima Marima etc; 2-1, 2-chome, Otomachi, Chiyodaku, Tokyo, Japan.	Burning materials of cement and the like.



1	2	3	4	5
21.	139191	14-05-1974	ONGC, Tel Bhavan, Dehra-Dun, Uttar Pradesh, India.	A petroleum Module for use in an indinometer.
22.	139203	26-07-1974	G. M. Kamra, B-3, Greater Kailash, New Delhi-4, India.	Cooling means for use with a cooling fan.
23.	139223	14-05-1974	ONGC; Tel Bhavan Dehra Dun U.P. India.	An azimuth Assembly.
24.	139225	28-09-1974	Acme-Cleveland Corpn; 1242 East 49th Street, Cleveland, Ohio-44114, U.S.A.	A foundry mixing machine.
25.	139230	26-04-1972	C.S.I.R.; Rafi Marg, New Delhi-1, India.	Making sand lime type bricks using the ash.
26.	139232	04-06-1973	S. F. A. Societa DI Fisica Applicata S. r. l; via visconti di Modrone 27, Milan, Italy.	Automatic banknotes selecting machine.
27.	139233	28-06-1973	Platt Saco Lowell Limited, Holcombe Road, Helmsshore, Rossendale BB4 NG4, Lancashire, England.	Sliver feeding device for an open-end spinning machine.
28.	139238	04-04-1974	Kraft Werk Union AG; Weisenstrassess, 4330, Munchein, Ruhr, FRG.	A shaft packing assembly for a shaft mounted in an axially undivided outer housing.
29.	139245	22-03-1973	Pennsylvania Engg. Corpn; 32nd Street, A.V. R. R., Pittsburgh, Pennsylvania, U.S.A.	Steel production.
30.	139269	27-03-1974	Hoechst Akt; 6230 Frankfurt, Main 80, West Germany.	Single injection syringe.
31.	139272	18-04-1973	RCA Corpn; 30 Rockefeller Plaza, New York, N. Y. 10020, U.S.A.	A color image retranslating system.
32.	139283	21-12-1974	The Fertilizer Corpn. of India Limited, Planning & Development Division.	Construction of grates in a fluidized bed.
33.	139303	17-07-1974	Tore Jerker Hallenius; Esplanaden 23, 85232 Sandsveill, Sweden and Karl Iva, Sagefors of Vretenvagen 10, 17123 Solna, Sweden.	Blasting and reinforcing rock cavities.
34.	139306	25-09-1974	Kautex-werke Reinold Hagen GmbH; 5300 Boun-Halvarl, FRG.	Production of hollow articles of thermoplastic materials by blowing.
35.	139320	30-12-1972	General Signal Corpn; P. Box 600, Rochester New York-14602, U.S.A.	Particle wetting apparatus.
36.	139325	30-12-1972	Do. Do.	A shoot for in distributing particles from a small discharge conduit.
37.	139326	19-07-1973	Caledonian Mining Co. Limited, Carlton House, Carlton-on-Tient, New York, England.	Apparatus for preparing and dispensing mixtures of concrete and fibres.
38.	139350	02-03-1974	Messier-Hispano S. A. 15 Avenue d' Eylau 75116, Paris, France.	Landing gear (under-carriage) and Fuselage set with wheels drawn.
39.	139363	28-02-1974	RCA Corpn; 30 Rockefeller Plaza, New York, N. Y. 10020, U.S.A.	Optical system.
40.	139373	30-05-1974	Momofuko Ando; 7-34, Massimicho, Ikeda, Osaka, Japan.	2 Manufacture of ready to-eat rice.
41.	139374	26-06-1974	Girling Limited, King's Road, Tyseley, Birmingham, 11, Warwickshire, England.	A control valve assembly for a vehicle dual circuit braking system.
42.	139382	14-05-1974	ONGC. Tel Bhavan, Dehra-Dun, U.P. India.	Camera Cassette.
43.	139389	20-03-1974	General Electric Co., 1 River Road, Schenectady, New York, U.S.A.	Composite wire drawing die.
44.	139407	06-12-1972	Rhone-Poulenc S. A.; 22, Avenue, Montaigne, Paris 8e, France.	An artificial kidney.
45.	139425	30-05-1974	Concost AG; Todistrasse-7, CG-8027, Zurich, Switzerland.	Cooling continuously cast strand.
46.	139450	28-02-1973	C. A. Noigren Co; 5400 South Daleware Street, Littleleton, Colorado 80120, U.S.A.	Coupling Unit for fluid control components.
47.	139494	07-01-1974	C.S.I.R., Rafi Marg, New Delhi-1, India.	Paint Stripper.
48.	139476	31-08-1973	Deere & Co., Molinc, Illinois, U.S.A.	Crop harvesting machine.
49.	139486	03-04-1973	Dresser Investments N. V., Willemsted, Curacao, Netherlands Antilles.	Apparatus for mixing and modulating liquid fuel and intake air for an I-C Engine.
50.	139488	17-04-1973	Girling Limited, England.	Servo boosters for vehicle brake system.
51.	139512	02-08-1975	PLA Llectro Appliances. Thakor Estate, Kurla Kurod Road, Vidyavikar, Bombay-86.	Prin such as is used along with a detection head in an electronic bobbin feeder for power looms.
52.	139515	18-05-1974	Societe D' Ltudes de Machine, Thermiques; 2 Qual De Seine, 93292, Saint Denis, France.	Cleaning an exhaust gas driver power turbine of a super heating set of a heat engine.

1	2	3	4	5
53.	139517	28-02-1973	C.A. Norgren Co; U.S.A.	A device for coupling two cylindrical elements.
54.	139546	27-08-1974	E. I. Du. Pont, Wilmington, Delaware, U.S.A.	Preparation of crimped textile yarn.
55.	139547	17-09-1974	Schubert & Salzer M. A.; Friedrich-Eberstrasse 84, 8070, Ingolstadt, W. Germany.	Device for spinning fibre bales.
56.	139556	24-01-1974	Johns Manville Corp; Greenwood Plaza, Denver, Colorado, 80217, U.S.A.	Making a bell and a heat deformable pipe.
57.	139562	11-01-1973	International Basic Economy Corp; 1271 Avenue, of the Americas, N.Y. N.Y. U.S.A.	Apparatus for drying and compacting a material flowing through a conduit.
58.	139566	22-05-1973	Dunlop Limited, Dunlop House, Ryder Street, St. Jame's, London SW 1, England.	Pneumatic tyres & its manufacture.
59.	139579	20-06-1974	Cotton Inc; 1370 Avenue, of the Americas, New York, 10019, U.S.A.	Production of cotton fibre assemblies.
60.	139592	29-10-1973	Werkzeugmaschinenfabrik Orlikon-Buhrle AG; CH-8050, Zurich, Switzerland.	A wheel slide controller for braked four-axel vehicles.
61.	139602	04-06-1974	USS Engineer & Consultants Inc; 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Apparatus for introducing gas to hot metal in a bottom pour-vessel.
62.	139612	30-04-1973	Dunlop Limited, England.	Pneumatic tyre & wheel assemblies.
63.	139613	30-04-1973	Do.	Do.
64.	139627	14 08 1974	Cadbury Limited, Borunville, Birmingham, England.	Manufacture of milk chocolate.
65.	139636	06-07-1973	Carding Specialists (Canada) Limited, Suite 1315, 44 King street West, Toronto 1, Ontario, Canada.	Apparatus for use as a gas compressor or gas blower.
66.	139641	08-01-1974	G. D. Societa Per Azioni Via Pomponia 10, Bologna, Italy.	High speed intermittent cycle machine for wrapping pieces of soap.
67.	139642	29-06-1973	Union Carbide Corp; 270 Park Avenue, New York, New York 10017, U.S.A.	apparatus for producing an effluent having a reduced bod content.
68.	139654	19-12-1974	Midrex Corp; One NCNB Plaza, Charlotte, North Carolina, 28280 U.S.A.	Apparatus for cooling a moving bed of solid gas permeable particles.
69.	139667	11-05-1973	Willkinson Sword Ltd., Sword House, Totteridge Road, High Wycombe, England.	Shaving devices.
70.	139678	20-11-1974	Concast AG; Todistrasse 7 CH-8027, Zurich, Switzerland.	An oscillating mould containing an acutely curved mould cavity.
71.	139681	11-04-1973	Societe Nationale Des Poudres Et Explosifs, 12 Quai Henri-IV 75181, Paris, Lcelex 04, France.	Milling machine for the machining of the parts of large dimensions.
72.	139682	11-04-1973	—Do—	Device for machining internal dust of a shock of solid propellant.
73.	139685	29-06-1973	Palan Chemicals Limited Lee House, London Wall, London, Wall, London- EC 2, England.	Removal of deposits from surfaces.
74.	139686	05-07-1973	Dunlop Limited England.	Vehicle wheels.
75.	139689	20-08-1973	Verenigde Bedrijven Tanjobrick Kooiman, P.O. Box-10, Noordhock, 23-Papendrecht., The Netherlands.	Fluid actuated vibratory device
76.	139692	13-03-1975	H. D. P. Pavri 77/A Park Street Calcutta-16, India.	Printing plates blocks.
77.	139694	06-11-1974	The Prestige Group Limited, Prestige House, 14-18, Helborn, London EC1N2Lo, England.	Pressure cooking appliances.
78.	139695	13-03-1973	Dr. Waldemar Bleier, Rodener Schanze 1, D-663 Saarlouis FRG.	A clip for reversible or permanent interruptions of body passages in human and animals.
79.	139713	18-03-1974	Girling Limited England.	Servo boosters for vehicle brake system.
80.	139729	06-09-1973	Imperial Chemical Industries Ltd., England.	Explosive fuse cord.
81.	139734	02-07-1974	S. A. Des Anciens Establishments Paul Wurth, 32 Rue D' Alsace Luxembourg.	Tuyere feed lines in blast furnace.
82.	139740	21-02-1974	Hollandse Signal Apparatus B. V. Zuidelika Mavemeg 40, Iyngelo (o), Netherlands.	Manufacture of twistless yarn.
83.	139741	29-05-1974	Societes-Societe Franaise D' Etudes, Thermiques Et D' energie Solaire, France.	Power generating system comprising an engine actuated by the expansion of a liquifiable gaseous fluid.

1	2	3	4	5
84.	139757	22-08-1974	Maschinenfabrik Rieter AG; 8406, Winterthur, Switzerland.	Generating a stream of suction air.
85.	139759	08-10-1974	British Steel Corporation, 6 Grosvenor Place, London SW-1, England.	Cooling of hot rolled steel stock.
86.	139761	27-12-1974	Ruti Machinery Works Limited, 8630 Ruti, Zurich, Switzerland.	A band wheel rim arrangement of looper loom automatic lubricating means.
87.	139765	06-06-1973	Shell Internationale Research Maatschappij B. V. Carel van Polyndtlan 30, The Netherlands.	Separation of spout particles from an aqueous slurry.
88.	139773	04-05-1974	Fancis Chacon Mejias, Plaza Banucoes, 4-Cordoba, Spain.	Preparation of vaccine against conger and other pathological process.
89.	139780	03-07-1974	Dunlop Limited, England.	A device for handling a pneumatic tyre during moulding and curing.
90.	139792	21-09-1974	John Michael Naguera; Greville House, Kington street, London S. W. 1, England.	An open end yarn spinning apparatus.
91.	139799	19-07-1973	Establishment salgad, Vadus Liechenstein.	Light mortar for tin stabilized projectiles.
92.	139803	07-12-1973	B. S. Chauhan, G-23, Maharani Bagh, New Delhi-14, India.	An energy converter.
93.	139805	04-03-1974	Outokumpu OY; Outokumpu, Finland.	An intra-uterine contraceptive device.
94.	139812	05-12-1973	Girling Limited, England.	Transmission members and hydraulic actuators incorporating said members.
95.	139813	20-02-1974	Industrie Pirelli Societa Per Azioni, Centre Pirelli Piazza Ducci D' Asota No. 3, Milan-20100, Italy.	Pneumatic tyres.
96.	139824	22-01-1973	Chicago Pneumatic Tool Co., 6 East 44th Street, New York, N. Y. 10017, U.S.A.	Nut crimping mechanism.
97.	139847	03-04-1974	Burroughs Corp., Burrough Place, Detroit, Michigan 48232, U.S.A.	Micro programme data processor having parallel instruction flow streams for plural levels of sub-instruction set.
98.	139854	31-10-1974	British Sealed Beans Limited, Rockingham Rd., Corby, Northants, England.	Filament shields.
99.	139860	04-04-1973	Westinghouse Electric Corp., Pittsburgh, Pennsylvania, U.S.A.	System for turbine speed controlling valve operation
100.	139861	05-09-1974	Girling Limited, England.	Servo boosters.
101.	139918	24-07-1974	Litton System Inc., 270 Passaic Avenue, Passaic New Jersey 7055, U.S.A.	A support assembly with a set of idler rolls mounted in a bracket.
102.	139922	03-09-1975	Union Carbide India Limited, 1, Middleton Street, Calcutta-71.	Signal lanterns for optional coloured light emittance.
103.	139924	26-06-1973	Snampiogetti S. p. A., 16 Corso Vanezia, Milan, Italy.	Water desalination apparatus.
104.	139926	28-02-1974	Ortho Pharmaceutical Corporation, Raritan, New Jersey, U.S.A.	A body canal dilating device.
105.	139945	24-08-1973	Crowford Brown Murton; 1906 Brusholiffe Rd., Pittsburgh, Pennsylvania.	Applying a refractory lining to a metalurgical vessel.
106.	139947	27-01-1975	The Lucas Electrical Co. Limited, Well Street, Birmingham 19, England.	Control circuits for vehicle rear window heaters.
107.	139955	18-10-1973	B. I. C. C. Limited, 21, Bloomsbury Street, London WC-1, England.	Wire drawing machinery.
108.	139964	29-08-1973	Burroughs Corp., U.S.A.	Micro Programable multi-processor system.
109.	139969	19-12-1974	Paterson Candy International Limited, 21, Inc Mall, Ealing, London W. 5 2P4, England.	Weight operated control device.
110.	139992	31-05-1974	Union Carbide Corp., 270 Park Avenue, N.Y., N. Y. 10017, U.S.A.	High pressure infrared cell for use in analysing materials.
111.	140002	29-09-1973	The Monotype Corp. Limited, Salfordes, Redhill Survey RH1 SJP, England.	Photo composing apparatus
112.	140018	04-05-1973	Girling Limited, England.	Fluid tight assemblies
113.	140021	08-05-1973	Great Lakes Carbon Corp., 299, Park Avenue, N. Y., N.Y., U.S.A.	Apparatus for collecting emission discharged into atmosphere from high temp. chemical reactors.
114.	140026	28-07-1973	Dunlop Limited, England.	Tyre & Wheel assemblies.
115.	140036	14-08-1973	The Monotype Corporation Limited, England	Pneumatic actuators.
116.	140037	11-11-1971	Frank Nattrass of 'Fallows End', and Peter Johnson Nattrass of 'Tresco' England.	Bulk material containers
117.	140049	23-08-1973	Malhotra International Limited, 12 New CIT Road, Calcutta-12.	Blade unit holder.

1	2	3	4	5
118.	140049	23-08-1973	Milhotra International Limited, 12 New CIT Road Calcutta-12	Blade unit.
119.	140053	11-06-1974	British Steel Corporation, England.	Testing of articles.
120.	140054	19-07-1974	Burroughs Corporation, U.S.A.	Display Panel.
121.	140059	18-09-1974	Siemens AG, Berlin and Munich, West Germany.	Telephoene Systems.
122.	140060	30-09-1974	Caterpillar Tractor Co; 100 N. E., Adams St., Peorial, Illinois 61629, U.S.A.	Noise attenuating absorbing means for sprocket teeth and track.
123.	140063	03-05-1973	Girling Limited, England.	Shoe drum brakes for vehicles.
124.	140075	03-07-1974	Schubert & Salzer etc, Freied rich Eberststrasse 84 8070. Ingolstadt West Germany.	Forming transfer tail on a yarn bobbin
125.	140077	02-09-1974	B. & J. Manufacturing Co. P. Box 325 Glenwood Illinois 60425 U.S.A.	A replaceable blade for the rotating hub of a tire buffing machine.
126.	140080	17-10-1974	Scharbert & Salzer etc. West Germany.	Effecting a thread in an open-end spinning apparatus.
127.	140084	21-05-1974	G. D. Societa Per Azioni. Italy.	Apparatus for accumulating and supplying length of material in sheet form.
128.	140085	14-09-1973	Burrough Corporation U.S.A.	Automatic generation of mini computer instruction.
129.	140095	09-10-1973	S. A. Des Anciers Etablissements Paul Wurth; Luxembourg.	Control device for a distributor chute in a shaft furnace.
130.	140096	12-10-1973	Allia-Chalmers Corpn. U.S.A.	Heat treating material involving heat recuperation
131.	140115	31-12-1974	Marc Yves Vergnet 1 Chenin Du Val Deux "La Paveigne" Toulon Var France.	Pumps.
132.	140126	17-07-1973	Taylor & Ch. Ilan Limited, Mary Ann Street, Birmingham. B3 1RA England.	Colning press
133.	140144	09-11-1973	Girling Limited England.	Vehicle brakes.
134.	140148	09-11-1973	Do.	Do.
135.	140150	26-09-1974	G. D. Societa Per Azioni Vice Pomponia 10. Bologna. Italy.	Apparatus for supplying hopper with cigarets.
136.	140163	18-08-1973	The Solartron Electronic Group Limited Victoria Road Farnborough Hampshire England.	Weapon training system particularly for simulating the use of weapon against target.
137.	140164	31-01-1974	Unice Machine Co. 1275 Columbus Avenue San Francisco. California 94133 U.S.A.	Oscillating anvil disintegrator.
138.	140176	12-11-1974	Burrough Corpn. U.S.A.	A data driven information processing system.
139.	140183	5-04-1974	Khadi Village Industries, Commission, 33 Central Avenue. Calcutta- India.	Lime Kiln for shell burning.
140.	140203	07-12-1973	Girling Limited. England.	Automatic adjuster for vehicle brakes.
141.	140216	07-12-1974	Sidhartha Ray. 47 S. P. Mookerjee Road Calcutta-26. India.	Apparatus for measuring flow of liquids.
142.	140218	02-09-1975	Y. N. Bhargava C/o Universal Electrics Ltd. 20/3 Mathura Road Faridabad-121002 India.	A mechanically operated time delay device
143.	140222	14-09-1973	Flkem Spigerverket A/s. Elkemhuset Middle thungote 27 Oslo 3, Norway.	Arrangement for progressively advancing cylindrical body in the direction of its axis.
144.	140256	18-04-1974	Penelfold Doors Inc. 10700 .7 N.W. 36th Avenue Miami Floride 33167. U.S.A.	Dual wall accordion folding door and a hinge strip suitable therefore.
145.	150258	09-10-1973	Sunkist Growers Inc; 14130 Roverside Drive, Sherman Oaks. California. U.S.A.	Apparatus to organise a mass of objects into a travelling row.
146.	140275	27-12-1973	Societe Anonyme Des Mises De per De Mauritania of Islamic Republic of Mauritania.	Emergency braking for railway trains.
147.	140278	01-10-1974	The Lucas Electrical Co., Ltd. England.	Control arrangement for vehicle head lamps.
148.	140303	15-12-1973	Girling Limited Engla. Ltd.	Vehicle wheel brake actuators.
149.	140311	17-01-1974	American Hospital Supply Corpn. U.S.A.	Container for medical liquid with separable outer and inner closures.
150.	140333	07-02-1974	Jawa Narodni Podnik Czechoslovakia.	Suction damper for single track motor vehicle
151.	140362	16-01-1975	Scovill Manufacturing Co. Waterbury New Havana Connecticut U.S.A.	Tyre valves.
152.	140370	29-09-1973	Son-ner Bing-Tang Lin, 3F No. 5, N. ne 4, Chin-Chou street, Taipei, Tiwan. Republic of China.	Plastic bag having tightening barrel

**PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
90770 (20-4-72)	Process for preparing new antibiotic F 1 1762.
97563 (20-4-72)	Process for preparing 2-alkylthiophene.
115420 (20-4-72)	Process for a new antibiotic substance.
125895 (20-4-72)	Process for manufacture of basic substituted bicyclic azacyclic compounds.
126597 (20-4-72)	Method of potentiating a foot and mouth disease vaccine employing diethylaminoethyl-dextran.
132286 (28-7-71)	Improvements in or relating to toughened glass sheet.
133806 (20-4-72)	Process for preparing indole derivative.
134121 (26-3-73)	Improvements in or relating to a method of plating on aluminium.
134186 (27-1-73)	Improvements in or relating to electroless copper plating bath controll over acrylonitrile butadiene styrene.
136611 (28-11-73)	A process for preparation of dis-lys <sup>9</sup> -ala <sup>20</sup> -procine insulin or dis-lys <sup>9</sup> -ala <sup>20</sup> -bovine insulin.
136627 (4-10-72)	Preparation of N-(1-ethyl- $\alpha$ -pyrrolidylmethyl)-2-methoxy-5-sulfonamido-benzamide.
136657 (26-3-73)	Process for production of furfural from agro-industries waste.
136681 (30-5-73)	Process for preparing a zenzo [6] thiophene derivatives.
136687 (5-3-74)	Process for making salts of 3-isopropyl-2, 1, 3-benzothiadiazene (4) one 2, 2-dioxide.
136719 (5-2-73)	Process for preparing of lysergic amides.

136749 (2-11-73)	Process for preparing new 3, 5-disubstituted triazole derivative.
136753 (24-11-72)	Process for production of hydrogen.
136792 (30-5-73)	Process for preparation of N-phosphonomethylglycine.
136815 (15-11-73)	Nutrient protein from keratinaceous material.
136819 (21-10-71)	Process for effecting direct oxidation of ethylene with molecular oxygen to ethylene oxide.
136820 (17-10-73)	Process for preparing salts of aminoacide with polysulfuric ester of natural glycopeptides.

**RENEWAL FEES PAID**

92766	92802	92803	93178	93350	93601	93614	97562	98090
98796	98823	98905	98962	99054	99349	103357	103468	
104274	104295	104296	104302	104306	104610	104691	104880	
104881	105045	105048	105707	107482	109283	109284	109286	
109287	109538	109565	109685	109724	109829	109838	110233	
110278	110397	110428	111251	114144	114231	114926	114954	
115250	115519	115566	115984	118110	118974	118975	119667	
119965	120288	120291	120297	120299	120312	120329	120359	
120360	120573	120856	120926	121014	123998	125282	125695	
125721	125722	125991	126177	126193	126299	130556	130560	
130573	130653	130669	130800	130801	130853	130987	131146	
131183	132827	132828	132844	134256	134295	134451	134765	
134981	135602	135980	136009	136472	136763	136938	137049	
137138	137143	137708	138117	138171	138186	138241	138296	
138306	138396	138701	138749	138853	138986	139058	139081	
139303	139351	134919	139825	139828	139913	139941	140239	
140246	140304	140540	140563	140610	140811	140887	140920	
141106	141261	141832	141980	141989	141990	142018	142019	
142505	142912	142937	143030	143152	143274	143545	143644	

**CESSATION OF PATENTS**

124468	124584	124914	124971	125054	125444	125447	125473
125483	125546	125572	125615	125626	125666	125675	125685
125694	125699	125703	125704	125723	125731	125745	125747
125749	125755	125773	125774	125781	125806	125812	125818
125833	125839	125842	125852	125858	125897	125902	125905
125954	125956	126005	126018	126031	126032	126036	126043
126064	126066	126068	126098	126099	126102	126124	126126
126128	126130	126131	126168	126183	126185	126191	126197
126216	126220	126223	126241	126257	126266	126293	126294
131158	131889	133915	139746				

S. VEDARAMAN.

Controller-General of Patents, Designs  
and Trade Marks.

